


Department of Zoology
M.G.P.G College, Gorakhpur

Sr. No.	Teacher Name	Designation	Mobile Number	Photo	Profile	Resume
1.	Dr. Jitendra Kumar	Assistant Professor	9794231852			

Publications

Research Papers Published = 7

Books/Chapters in books and conference proceedings = 01

Profile

Personal Details

Name : Dr. Jitendra Kumar
Designation : Assistant Professor in Zoology
Father's Name : Late Shri Sooraj Pal
Address : Department of Zoology, Mahatma Gandhi P.G. College, Gorakhpur-273001, India

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Academic Details:

Graduation: BSc. (Zoology, Botany, Chemistry), Mahatma Jyotiba

Phule Rohilkhand University (MJPRU), Bareilly, 2014

Postgraduation : MSc. (Zoology), Banaras Hindu University (BHU), Varanasi, 2016. Specialization in Molecular Endocrinology and Reproductive Physiology

Doctorate : Ph.D. in Zoology, Banaras Hindu University, Varanasi, 2022

Research Area of Interests: Molecular Endocrinology, Reproductive

Physiology and Toxicology

Extra-Curricular Activities

National Cadet Corps (NCC 'C' Certificate) from 21 UP BN NCC Bareilly.

Achivement and Fellowships

CSIR-UGC NET	: Qualified CSIR-JRF in Life Science, 2016
GATE	: Qualified GATE in Life Science, 2016
CSIR-UGC NET	: Qualified UGC NET L.S. in Life Science, 2017
BARC Exam	: Qualified BARC Bioscience exam in 2017
Awards	: CSIR Junior Research Fellowship in 2017-2019, :CSIR Senior Research Fellowship in 2019-2021 : ICMR-Centenary Post-Doctoral Fellowship in 2022

Membership

- Life member of Indian Society for the Study of Reproduction and Fertility (ISSRF): LM1640
- Life member of Society for Reproductive Biology and Comparative Endocrinology (SRBCE): LM-517-2021

Teaching and Research Experience

- Assistant Professor (Ad-hoc) at Dharendra Mahila PG Degree College, Varanasi (03.12.2021 to 25.04.2022).
- ICMR-Centenary Post-Doctoral Fellow at National Institute for Research in Reproductive and Child Health, Mumbai (02.05.2022-27.05.2022).

Publications

Research Articles

- Jitendra Kumar, Chandana Haldar, Rakesh Verma (2019). Fluoride Compromises Testicular Redox Sensor, Gap Junction Protein, and Metabolic Status: Amelioration by Melatonin. *Biological Trace Element Research*;196(2):552-564. <https://doi/10.1007/s12011-019-01946-6>
- Jitendra Kumar, Rakesh Verma, Chandana Haldar (2020). Melatonin ameliorates Bisphenol S induced testicular damages by modulating Nrf-2/HO-1 and SIRT-1/FOXO-1 expressions. *Environmental Toxicology*. **36**(3): 396-407. <https://doi.org/10.1002/tox.23045>
- Jitendra Kumar, Chandana Haldar, Rakesh Verma (2021). Insight into fluoride induced testicular damage in golden hamster, *Mesocricetus auratus*. *Journal of Fluoride Research*. 54(2):123-140.

- Jitendra Kumar, Chandana Haldar, Rakesh Verma (2021). Melatonin ameliorates LPS induced testicular nitro-oxidative stress (iNOS/TNF α) and inflammation (NF-kB/COX-2) via modulation of SIRT-1. *Reproductive Sciences*. <https://doi.org/10.1007/s43032-021-00597-0>
- Jitendra Kumar, Chandana Haldar, Rakesh Verma (2020). Effect of Quinalphos on Testes of Long Day Seasonal Breeder Golden Hamster, *Mesocricetus auratus*. *J. of Sc. Res.*64(1):97-102. doi.org/10.37398/JSR.2020.640114
- Sriparna Pal, Rakesh Verma, Jitendra Kumar and Chandana Haldar (2018). Photoperiod modulates oestrogen status, insulin interposed glucose uptake and connexin-43 in testes of golden hamster, *Mesocricetus auratus*, *Biological Rhythm Research*; 51:5, 655 666.doi/[10.1080/09291016.2018.1548874](https://doi.org/10.1080/09291016.2018.1548874)
- Rakesh Verma, Sriparna Pal, Jitendra Kumar and Chandana Haldar. Ultraviolet A (UV-A) Radiation-Induced Damage in the Skin and Vital Organs of Albino Rat: An Indirect Correlation with Melatonin. *Journal of Endocrinology and Reproduction*, Vol 21(2), 59-66, December 2017, DOI: 10.18311/jer/2017/21626

Review article

- Verma R, Pal S, **Kumar J**, Haldar C (2018). Role of melatonin in regulation of male fertility. *ISSRF Newsletter*; 22:65-66, (ISSN2395-2806).

Book chapter

- **Kumar J**, Hansda SR, Pal S, Haldar C and Verma R (2020). Environmental Toxicant Compromised Reproductive Health: Rescue by Melatonin. Book Chapter (chapter-8). Nova Science Publisher, Inc., NY, USA; ISBN: 978-1-53619-031-1.

Conferences/Seminars/Workshop:

Conferences/Seminar participated

- 1st International Conference on Integrated Approach to Management of Lifestyle Disorders *Journal of Research in Medical Science and Technology*. Institute of Medical Science, Banaras Hindu University Dated 27th – 28th October 2018.
- Global International Conference on Reproductive Health with Focus on Occupational, Environmental & Lifestyle Factors, Jawaharlal Nehru University, Delhi. (ISSRF-2019, 22nd- 24th February, 2019).
- 38th meeting of the Society for Reproductive Biology and Comparative Endocrinology with Focus on current trend in reproductive biology and

endocrinology: Human health perspective at Department of Studies in Genetics & Genomics, University of Mysore (28th- 30th December, 2021).

Workshop attended

- Workshop on “carrying out research ethically and publishing results effectively” 6 & 8 March 2018, IMS BHU.
- Workshop on “awareness and sensitization towards use of animals in teaching and research as per CPCSEA and UGC guidelines” 16 April 2018, Department of Zoology.
- National workshop on “Advanced and application of proteomics in endocrinology” 17-23 November 2018, Department of Zoology.
- National workshop on Flow cytometry Workshop jointly organized by molecular biology unit, Institute of medical sciences and Beckman Coulter, life sciences (10-12 July 2019).